

Title (en)

Method for improving quality-of-service management in networks

Title (de)

Verfahren zur Verbesserung des Dienstgüte-Managements in Peer-to-Peer-Netzen

Title (fr)

Procédé et appareil pour améliorer la gestion de qualité de service dans des réseaux peer-to-peer

Publication

EP 1633093 B1 20110810 (EN)

Application

EP 05300519 A 20050628

Priority

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Abstract (en)

[origin: EP1633093A1] A logical quality-of-service (QoS) management method for peer-to-peer networks (OZ) uses a special group service for QoS management within peer-groups. This group service determines and assigns a budget per time unit for each peer. Such time unit may be in the range of milliseconds or few seconds. It may also determine a group budget for the peer-group. While a peer (N1,...,N6) uses bandwidth, i.e. while it sends or receives data, its budget is decreased. When a peer has exhausted its budget, it has to lower its priority for transferring or receiving data. Each peer is responsible for keeping its own budget. If a peer does not keep the conditions, other peers may have the right to deny the data transfer from that peer. The QoS service function is advertised in peer-group advertisement (PGA) messages.

IPC 8 full level

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CPC (source: EP)

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Cited by

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